

CLAIMS

1. A lock for a safety-box, said lock comprising

- 5 – a lock effectuating means adapted to shift between a locked state and an unlocked state,
 – a code-entering means arranged to control shifting of the lock effectuating means from the locked state to the unlocked state upon entering a code, and
 – a lock actuation means adapted to actuate the code-entering means to accept and
10 store a user-defined code upon receipt of a lock actuator,

wherein the ability of the lock to shift between the locked and unlocked state is conditioned on the actuation of the lock.

- 15 2. A lock according to claim 1, wherein the code-entering means allows multiple entering of codes for systematically entering and testing all possible codes.

3. A lock according to claim 1 or 2, wherein the code-entering me is provided with a code sample space in the range of 50-1000.

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4. A lock according to any of the preceding claims, that enables redefinition of the user-defined code by removal and re-insertion of the actuator.

5. A lock according to any of the preceding claims, wherein removal of the actuator shifts
25 the lock to its unlocked position.

6. An electrically powered lock according to any of the preceding claims, wherein the user-defined code is maintained when the power supply is exhausted and the lock is re-powered by a new power supply.

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7. A lock according to any of the preceding claim, wherein the lock actuation means comprises a lock actuation template adapted to receive a lock actuator with a specific shape.

- 35 8. A lock according to any of the preceding claims, wherein the lock actuation means comprises a lock actuation template adapted to receive a lock actuator with a specific weight.

9. A lock according to any of the preceding claims, wherein the lock actuation mechanism
40 comprises an adjustable lock actuation template adapted to receive a multitude of different lock actuators.

10. A lock according to any of the preceding claims, wherein the lock is made of a non-corroding materials.

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11. A lock according to claim 9, wherein the lock is made of a plastic.
12. A locking system comprising a plurality of locks according to any of claims 1-8 and 10-11.
- 5 13. A locking system according to claim 12, further comprising a plurality of lock actuation templates adapted to receive actuators of different shape.
- 10 14. A beach chair comprising a safety-box with a closable cavity for storage of personal items.
- 15 15. A chair according to claim 14, wherein the safety-box is provided with a locking means that prevents opening of the safety-box.
16. A chair according to claims 14 or 15, wherein the safety-box comprises a code-lock according to any of claims 1-13.
- 20 17. A chair according to claim 16, wherein the code-entering part of the code-lock is located on the side of the safety-box.
18. A chair according to claim 16 or 17, wherein the code-entering part of the code-lock is protected by a coverlid that automatically falls down over the code-entering part of the code lock if not actively lifted.
- 25 19. A chair according to claims 14 or 15, wherein the safety-box locking means is adapted to co-operate with a padlock.
20. A chair according to any of claims 1-19, wherein the safety-box comprises
- 30 - a bottom and an opening,
- sidewalls extending between the bottom and the opening,
- a closure for closing the opening, and
- 35 - a locking means that prevents opening of the safety-box.
21. A chair according to any of claims 14-20, wherein the safety-box is provided with one or more ventilation openings for ventilation of the cavity.
- 40 22. A chair according to claim 21, wherein the ventilation opening(s) in the safety-box is provided between the sidewall and the closure.

23. A chair according to claims 21-22, wherein the ventilation opening(s) in the safety-box is shielded towards impact of weather (in particular towards impact of rain and sand).
24. A chair according to any of claims 14-23, wherein the safety-box is provided with one
5 or more drain openings for draining the cavity.
25. A chair according to claim 24, wherein the safety-box drain opening(s) is provided in a lower part of the sidewall(s) or in the bottom.
- 10 26. A chair according to any of claims 24-25, wherein the safety-box is provided with a grid for retaining the personal items in the box in a position between the opening and the grid, isolated from the drain opening.
27. A chair according to any of claims 24-26, wherein the bottom of the safety-box is
15 adapted to lead fluids to the drain opening(s).
28. A safety-box similar to the box according to any of the claims 14-27, said box further comprising fastening means provided with a fastened and a non-fastened state for releasable fastening of the box to peripheral objects.
- 20 29. A box according to claim 28, wherein the fastening means is provided with a fastening and releasing control accessible only from the inside of the cavity.
30. A box according to claim 28 or 29, wherein the fastening means comprises a spring
25 activated locking element engaging a corresponding locking member of the beach chair or the safety-anchor
31. A box according to any of claims 28-30, wherein the fastening means is adapted to allow fastening of the box to the beach chair in one orientation of the box in relation to the
30 beach chair or the safety-anchor.
- 32 A chair comprising a mount for fastening a safety-box similar to the box according to any of the claims 28-31.
- 35 33 A mount comprising means for fastening to a chair and a safety-box similar to the box according to claims 28-31 and wherein the mount is fastened to the chair in such a way that the ability to detach it is hindered by subsequent mounting of the safety-box.
34. A safety-anchor to be secured by fastenering, said anchor comprising at least a
40 threaded tip and a rod, the threaded tip and rod being interconnected in a joint allowing transmission of rotational movement from the rod to the threaded tip in one locked state and prevents transmission of rotational movement from the rod to the threaded tip in another unlocked state.

35. A safety-anchor according to claim 34, being adapted to allow reversible shifting between the locked and the unlocked state.

36. A safety-anchor according to any of the claims 34-35, wherein the joint is locked by the insertion of a locking element into a rotationally locking engagement in the rod and the threaded tip.

37. A safety-anchor according to any of the claims 34-36, wherein the rod comprises a gripping means (extending in a direction opposite to the threaded tip) for applying a torque to the rod.

38. A safety-anchor according to claim 36, where the locking element is accessible from the gripping means so as to allow shifting between the locked and the unlocked state from the gripping means.

39. A safety-anchor according to any of the claims 36-38, wherein the joint is shifted from the locked to the unlocked state vice versa by the removal of the locking element from the joint.

40. A safety-anchor according to claim 39, wherein the joint is shifted from the locked to the unlocked state vice versa by displacement of the locking element in the axial direction of the anchor.

41. A safety-anchor according to claim 40, wherein the locking element is displaced in a direction from the rod towards the threaded part.

42. A safety-anchor according to claim 40, wherein the locking element is displaced in a direction from the threaded part towards the rod.

43. A safety-anchor according to any of the claims 34-42, wherein the threaded part contains at least 5 threads.

44. A safety-anchor according to any of the claims 34-43, wherein the length of the threaded part is at least 50% of the entire length of the safety-anchor.

45. A safety-anchor according to claim 36, wherein the rod is provided in the form of a hollow tube that houses the locking element.

46. A safety-anchor according to claim 45, further comprising a handle member arranged to control the moving of the locking element from a top portion, opposite the threaded tip, of the rod.

47. A safety-anchor according to any of claims 45-46, further comprising fixating means allowing fixation of the locking element in any of the first and/or the second positions.

48. A safety-anchor according to any of claims 34-47, further comprising locking means adapted to receive a pad-lock for locking the locking element in either the locked and/or the unlocked states of the anchor.

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49. A safety-anchor according to any of claims 34-48, wherein the rod comprises attachment means for securing peripheral objects to the anchor.

50. A safety-anchor according to claim 49, wherein said object is selected from a group consisting of: a beach safety-box according to any of claims 28-31, a beach-chair according to any of claims 14-21, a parasol, a bike, a motor cycle, a boat, an animal, a fishing rod, a gun, a sculpture, a lawnmower, a garden pot and a car.

51. A safety-fastener to be secured by fastener, said fastener comprising at least a threaded tip and a rod, the threaded tip and rod being interconnected in a joint allowing transmission of rotational movement from the rod to the threaded tip in one locked state and prevents transmission of rotational movement from the rod to the threaded tip in another unlocked state.

52. A safety-fastener according to claim 51, wherein the end of the rod opposite to the threaded tip comprises a gripping means for applying a torque to the rod.

53. A safety-fastener according to any of claims 51 and 52, wherein the joint is locked by the insertion of a locking element into a rotationally locking engagement in the rod and the threaded tip.

54. A safety-fastener according to claim 53, wherein the rod and threaded tip comprises a hollow channel that houses the locking element.

55. A safety-fastener according to any of claims 53 and 54, wherein the locking element is accessible from a top portion of the rod opposite to the threaded tip so as to allow shifting between the locked and the unlocked state on a mounted safety-fastener.

56. A safety-fastener according to any of claims 53-55, adapted to allow reversible shifting between the locked and the unlocked state by displacement of the locking element in the axial direction of the fastener.

57. A safety-fastener according to any of claims 55 and 56, further comprising a handle member arranged to control the moving of the locking element from a top portion of the rod, opposite the threaded tip.

58. A safety-fastener according to any of claims 55-57, further comprising fixating means allowing fixation of the locking element in any of the first and/or the second positions.

59. A safety-fastener according to any of claims 55-57, wherein the joint is shifted between the locked and unlocked state by respectively removing and inserting the locking element into the Safety-fastener.

5 60. A safety-fastener according to any of claims 51-55, wherein the joint is shifted from the locked state to the unlocked state by displacing the locking element in a direction from the rod towards the threaded part.

61. A safety-fastener according to any of claims 51-54, wherein the joint is shifted from
10 the locked state to the unlocked state by irreversible breaking of the locking element.

62. A safety-fastener according to claim 61, wherein the locking element is adapted to break at a pre-specified torque.

15 63. A safety-fastener according to any of the claims 51-62, wherein the threaded part contains at least 5 threads.

64. A safety-fastener according to any of the claims 51-63, wherein the length of the threaded part is at least 50% of the entire length of the safety-fastener.

20 65. A lock safety-fastener comprising a fastener and a lock wherein the fastener contains

- an insertion-region which can be used for attachment into a solid material, and

25 - a lock-accepting region which protrudes from the solid material, and

wherein the attachment and locking of the lock to the lock-accepting region significantly hinders the possibility for loosening the fastener.

30 66. A lock safety-fastener according to claim 65, wherein the insertion-region of the fastener is threaded and wherein the lock-accepting region comprises a gripping means for applying torque to the fastener thereby enabling the fastener to be secured by screwing.

67. A lock safety-fastener according to any of claims 65 and 66, wherein the lock is constructed such that it

- can be attached to the lock-accepting region of the fastener when unlocked

35 - cannot be detached from the lock-accepting region of the fastener when locked,

- can rotate freely on the lock-accepting region of the fastener when locked, and

40 - prevents the lock-accepting region of the fastener and the fastener-head to be accessed by gripping tools when locked .

68. A lock safety-fastener according to claim 67, wherein the lock is a code-lock.

69. A lock safety-fastener according to claims 68, wherein the lock comprising from 2 – 12 numbered discs.

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70. A lock safety-fastener according to claims 68 and 69, wherein the user can program the lock.

10 71. The use of a safety-anchor, safety-fastener or lock safety-fastener according to any of the preceding claims 34-70, to secure objects against unauthorised removal.

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